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Le régime pluvial de Cully à Tour de Gourze (Septembre 1924-Août 1931.) Lausanne. 1933. p. 101-114. tab., diagr. 24½ cm. (Bull. de la Société vaudoise des sciences naturelles. vol. 58. 1933. no. 233.)

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SOLAR OBSERVATIONS

SOLAR RADIATION MEASUREMENTS DURING AUGUST 1935

By IRVING F. HAND, Assistant in Solar Radiation Investigations

For a description of instruments employed and their exposures, the reader is referred to the January 1935 REVIEW, page 24.

Table 1 shows that solar radiation intensities averaged above normal for August at all three stations for which normals have been computed. During this month the Marvin pyrheliometers at Madison and Lincoln were compared with substandard Smithsonian silver-disk pyrheliometer no. 1. The instrument at Madison was found to be in excellent condition with no apparent change in its characteristics. However, the Marvin pyrheliometer at Lincoln read slightly more than 1 percent low in the large number of comparisons made and new factors were determined for use at that station.

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Tipos de distribución isobárica y de tiempo en el Golfo de Vizcaya. San Sebastián. 1929. 22 cm. (Trabajos del Observ. de Iguelo (San Sebastián). Publicación nº. 4.)

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Excessive rainfall in Texas. A. M. Vance, state reclamation engineer. Designed and prepared by Bort. L. Lowry, jr., technical assistant. [Austin, 1934.] 149 p. incl. illus., map, charts, tables, diagrs. 26½ cm. (Bulletin no. 25.) This edition was started as a revision of Bulletin no. 18, "A study of rainfall in Texas . . . 1929."

Union of South Africa. Meteorological department.

Report. Appendix to report for the year 1929. Pretoria. 1934. 33½ cm. "Upper winds of South Africa", 1929.

Weinberg, B. P.

Catalogue of magnetic determinations in the polar regions. Sections I & II. Moscow. 1933. 51 p. 24½ cm. (The Central administration of the Hydrometeorological service of U. S. S. R.) (Title also in Russian.)

Table 2 shows an excess in the amount of total solar and sky radiation received on a horizontal surface at all stations except Madison, Lincoln, Riverside, and Fairbanks. About the middle of the month a new Eppley thermoelectric pyrheliometer was installed on the roof of the experiment station building at Lincoln, replacing the old Callendar receiver which had become defective. The new pyrheliometer records on a Leeds and Northrup micromax potentiometer, also installed at the same time, replacing the Callendar Wheatstone bridge formerly in use at Lincoln.

Neither turbidity nor polarization measurements were made in Washington during August because of reduced personnel during that month. Polarization measurements made at Madison on 8 days give a mean of 54 percent with a maximum of 58 percent on the 27th. Both of these values are below the August normals for that station.

